

CLAIMS:

What is claimed is:

1. A dedicated networked device monitor comprising:
 - a network connection;
 - 5 a first processor that stores, sends, and receives messages over said network connection, sends customized test messages to said networked devices and receives test results from said networked devices, said first processor capable of analyzing said test results and sending control/status messages if said test results meet a predetermined criteria, said first processor further capable of storing said test results, receiving a query from a control computer, and transmitting said test results to said control computer;
 - 10 at least one switchable power outlet; and
 - a second processor adapted to receive a power cycle command from a first processor and turn off said switchable power outlet based on said power cycle command.
2. A monitoring system for monitoring networked devices comprising:
 - a network;
 - 5 at least one networked device that is connected to said network;
 - a control computer that is connected to said network; and
 - 10 a dedicated networked device monitor having a first processor and a second processor, said first processor adapted to store, send, and receive test messages and control commands over said network connection and to receive, and analyze test results from said networked devices, said first processor further capable of sending messages to and receiving messages from a control computer and transmitting said test results to said control computer, and sending power cycle commands and other messages to said second processor connected to at least one switchable power outlet and capable of switching said switchable power outlet based on said power cycle commands.

3. The system of claim 2 further comprising:

an administration computer that is connected to said network, said administration computer comprising software that it capable of creating, defining and storing network device diagnostic tests to a test library, said administration computer further comprising software to select said tests from said library, assign said tests to said networked devices, and transmit said tests to said first processor; and

control room builder software that is capable of creating customized control room graphical displays to display said test results and storing said displays to run on said control computer.

10

4. The system of claim 2 wherein said control computer is a handheld device.

5. The system of claim 4 wherein said network connection is a wireless connection.

6. The system of claim 2 wherein said first processor and said second processor include non-volatile memory wherein selected sections of said non-volatile memory may be locked to prevent unauthorized or accidental modification of the contents.

7. The system of claim 2 wherein said messages between said control computer and said monitor are encrypted such that interpretation of said messages requires a decryption key.

8. A method of monitoring networked devices comprising:

providing a dedicated networked device monitor that can receive and storing networked device tests and can send tests and control messages to said networked devices and receive and processor test results from said networked devices, said dedicated networked device monitor having switchable power outlets and being capable of switching said outlets;

5

connecting said dedicated networked device monitor through a network connection to said networked devices;

10 connecting a power connection of said networked devices to said switchable power outlets of said dedicated networked device monitor;

providing a control computer having control room creation and display software, said control computer capable of sending messages to and receiving messages from said dedicated networked device monitor;

15 communicating with said dedicated networked device monitor through a network connection using said control computer;

monitoring test results from networked devices;

processing said test results; and

sending control commands to said dedicated networked device monitor if said test results meet a specified criteria.

9. The method of claim 8 wherein said step of communicating with said dedicated networked device monitor comprises communicating with said dedicated networked device monitor through a network connection using a control computer, said network connection being a wireless connection, said control computer being a handheld computer.

5